

Amendments to the Specification

Kindly amend Paragraphs 0029, 0030, and 0032 as follows:

[0029] Optimizer 330 is shown in greater detail in FIG. 4, according to an embodiment of the invention. An input scene graph 325 is received by an optimization manager [410] 440. Optimization manager [410] 440 creates an optimization process based on a specific atomic optimization. The atomic optimization can be identified by a user, or a default optimization can be used. Optimization manager [410] 440 also configures the atomic optimization. The configuration can be based on user input, or can be based on default configuration values. Optimization manager [410] 440 then applies the optimization process to input scene graph 405, to produce an optimized graph 435.

[0030] In the illustrated embodiment, the selection of a specific atomic optimization is made by user 410. User 410 supplies user configuration information 415 to optimization manager [410] 440 via a configuration manager 420. The set of available atomic optimizations is contained in an optimization base 425. A list of the available atomic optimizations is maintained in an optimization registry 430, along with information pertinent to the execution of the specific atomic optimizations. This information can include, for example, the parameters required by an atomic optimization, and any priority information that defines the

sequence in which specific atomic optimizations can or should be applied.

Given the choice of a specific atomic optimization identified in user configuration information 415, optimization manager [410] 440 associates input scene graph 405 with the identified atomic optimization in optimization base 425, via optimization registry 430. User configuration information 415 can also include configuration information, e.g., parameters that must be defined for a given atomic optimization. In an embodiment of the invention, user configuration information 415 is supplied to configuration information manager 420 in the form of a text file. In an alternative embodiment of the invention, a user interface is supplied to user 410 allowing user 410 to identify, to configuration manager 420, selected atomic optimizations and parameters.

[0032] Note that optimization manager [410] 440, configuration manager 420, optimization base 425, and optimization registry 430 can be implemented in hardware or software or any combination thereof. In an embodiment of the invention, these components are implemented using an object oriented language.